CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.09/CSR-11/799k/CEMENT/2018-19 Date: 12.11.2018

TEST REPORT ON CEMENT

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of Work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	Cement
Sample Received on	:	10.11.2018
Period of Testing	:	10.11.2018 to 12.11.2018

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988 (RA-2014)	28.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988 (RA-2014)	155 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988 (RA-2014)	375 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988 (RA-2014)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.:CTCE/BBMP/KRIDL/W.No.09/CSR-11/799k/SAND-Gradation/2018-19 12.11.2018

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of Work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	Fine Aggregates (Manufactured sand)
Technical Reference	:	IS : 2386 (Part 1) - 1963 (RA-2011)
Sample Received On	:	10.11.2018
Date of Testing	:	12.11.2018

Total Wt. of Aggregates in gms = **1000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2011)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	97.60	90-100	90-100	90-100	95-100
2.36	80.70	60-95	75-100	85-100	95-100
1.18	59.10	30-70	55-90	75-100	90-100
600 Micron	37.40	15-34	35-59	60-79	80-100
300 Micron	10.90	5-20	8-30	12-40	15-50
150 Micron	4.40	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

Note 1 :

For crushed stone sands, the permissible limit on 150-micron IS Sieve is increased to 20 percent. This does not affect the 5 percent allowance permitted in 4.3 of IS 383 applying to other sieve sizes.

Note 2:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.09/CSR-11/799k/AGG/GR/2018-19 12.11.2018

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of Work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	Coarse Aggregates (40mm)
Technical Reference	:	IS : 2386 (Part 1) -1963 (RA-2011)
Sample Received on	:	10.11.2018
Date of Testing	:	12.11.2018

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2011)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.08	95-100	85-100
20	32.92	30-70	0-20
10	11.92	10-35	0-5
4.75	2.82	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under graded specific limits.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore - 97

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.:CTCE/BBMP/KRIDL/W.No.09/CSR-11/799k/CC Solid Block/2018-19 14.11.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF SOLID CONCRETE BLOCKS

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of Work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference		BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
Technical Reference	:	IS: 2185 (Part-1) - 2005 (RA-2010)
Size of Blocks	:	400mm x 200mm x 200mm
Cross Sectional Area	:	80000 mm^2
No. of Blocks Tested	:	08
Sample Received on	:	12.11.2018
Date of Testing	:	14.11.2018

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS: 2185 (Part-1) - 2005 (RA-2010)
1	Block 1	35.62	265.6	4.43	Minimum required Compressive Strength of Individual Units 4.00 N/mm^2
2	Block 2	36.59	263.1	4.39	
3	Block 3	35.45	255.1	4.25	
4	Block 4	36.14	262.4	4.37	
5	Block 5	36.25	249.7	4.16	
6	Block 6	35.95	260.2	4.34	
7	Block 7	35.65	266.0	4.43	
8	Block 8	36.19	265.4	4.42	

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore-97

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ
BSCIC
ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.09/CSR-11/799k/CC Solid Block/2018-19 14.11.2018

TEST REPORT ON BLOCK DENSITY OF SOLID CONCRETE BLOCKS

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of Work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference		BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
Technical Reference		IS: 2185 (Part-1) - 2005 (RA-2010)
Size of Blocks	:	400mm x 200mm x 200mm
Cross Sectional Area	:	80000 mm^2
No. of Blocks Tested	:	03
Sample Received on	:	12.11.2018
Date of Testing	:	14.11.2018

Sl.No.	Size of Block in mm	Mass of Block in Kg	Volume of Specimen in cm^3	Density in Kg/m^3	Average Density Kg/m^3
1	400x200X200	36.598	16000.00	2287.38	2266.17
2	400x200X200	35.689	16000.00	2230.56	
3	400x200X200	36.489	16000.00	2280.56	

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.
⇒The results indicated above are based on the tests carried out on the samples received in the laboratory
⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.09/CSR-11/799k/SAND/2018-19

21.01.2019

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of Work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	Fine Aggregates
Technical Reference	:	IS : 2386 (Part 1) - 1963 (RA-2011)
Sample Received On	:	19.01.2019
Date of Testing	:	21.01.2019

Total Wt. of Aggregates in gms = **1000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2011)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	93.50	90-100	90-100	90-100	95-100
2.36	73.30	60-95	75-100	85-100	95-100
1.18	51.70	30-70	55-90	75-100	90-100
600 Micron	23.50	15-34	35-59	60-79	80-100
300 Micron	13.10	5-20	8-30	12-40	15-50
150 Micron	4.10	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore-97

****

M/s. Civil-Tech Consultants & Engineers

23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ
BSCIC
ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.09/CSR-11/799k/CC Kerb/2018-19

24.01.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	CC Kerb
* Grade of Concrete	:	M_{15}
Techinical Reference	:	IS:516-1959 (RA- 2013), SP-24:1983.
Sample Received on	:	22.01.2019
Date of Testing	:	24.01.2019

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	80.00	0.416	2648.34	1.60	0.957	23.05	11.74	12.68	13.25	16.56
2	50.00	81.00	0.408	2565.34	1.62	0.959	23.45	11.94	12.90	13.45	16.81
3	50.00	82.00	0.406	2521.64	1.64	0.961	22.65	11.54	12.46	12.96	16.20

* Information is furnished by the Customer/Representative

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Civil-Tech Consultants & Engineers Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ
BSCIC
ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.09/MS Hollow Pipe/2018-19 28.01.2019

TEST REPORT ON SQUARE PIPE

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	MS Hollow Pipe
Date of testing	:	28.01.2019

PHYSICAL TEST

Sl.No	Description	Result
1	Dimensions	50 x 50 mm
2	Thickness	4.02 mm
3	Weight / Meter	5.75 kg

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.:CTCE/BBMP/KRIDL/W.No.09/MS Flat/2018-19 28.01.2019

TEST REPORT ON STRUCTURAL STEEL

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of Work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	MS Flat 40x6
Technical Reference	:	IS 1730:1989
Date of testing	:	28.01.2019

Sl.No	Description	Result	Tolerances as per IS 1852:1985
1	Length	1000 mm	+ 25 mm - 0.0 mm
2	Width	40.00 mm	± 1.25mm
3	Thickness	6.02 mm	± 0.2mm
4	Weight / Sqm	1.84 Kg	-

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒This test report should not be reproduced except in full, without written approval of the laboratory

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore -97

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ
BSCIC
ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.09/MS Flat/2018-19 28.01.2019

TEST REPORT ON STRUCTURAL STEEL

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of Work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	MS Flat 35x6
Technical Reference	:	IS 1730:1989
Date of testing	:	28.01.2019

Sl.No	Description	Result	Tolerances as per IS 1852:1985
1	Length	1000 mm	+ 25 mm - 0.0 mm
2	Width	35.00 mm	± 1.25mm
3	Thickness	6.05mm	± 0.2mm
4	Weight / Sqm	1.65 Kg	-

*Information is furnished by the Customer/Representative.

Note:

⇒This test report should not be reproduced except in full, without written approval of the laboratory

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cr... 3rd Stage,
4th Block, Sha... pathinagara,
Basave... agar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.09/MS Square Rod/2018-19 28.01.2019

TEST REPORT ON MS SQUARE RODS

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	Square rod 16mm
Date of testing	:	28.01.2019

Sl.No	Size	Width	Breadth	Weight/Rmt
1	16X16mm	16mm	16mm	2.012Kg

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.:CTCE/BBMP/KRIDL/W.No.09/CSR-11/799k/Cube/2018-19 09.01.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of Work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	Cement Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	09.01.2019

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.12.2018	09.01.2019	8.123	586.7	26.07
2	12.12.2018	09.01.2019	8.230	600.3	26.68
3	12.12.2018	09.01.2019	8.328	625.3	27.79

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagara,
Bangalore-560079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.:CTCE/BBMP/KRIDL/W.No.09/CSR-11/799k/Cube/2018-19 09.01.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Assistant Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	:	**Executive Engineer,** KRIDL, Bangalore.
* Name of Work	:	Maintenanace and Development of Park in Defence layout Vidyaranyapura in Ward No.09, BBMP, Bangalore.
* Reference	:	BBMP/EE/BTP/WO/135/2018-19 Dated:26.09.2018
* Sample ID	:	Cement Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{25}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	09.01.2019

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.12.2018	09.01.2019	8.202	625.4	27.79
2	12.12.2018	09.01.2019	8.326	615.6	27.36
3	12.12.2018	09.01.2019	8.407	599.7	26.65

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.